

CHAPTER 6

USING THE TENTAGE REPAIR KIT

6-1. COMPONENTS OF THE KIT

Repairs to canvas and webbing are made using a sewing machine when possible. Occasionally it is necessary to repair a tent by hand. Hand repairs to canvas and webbing require special tools, which are part of the tentage repair kit. The kit also contains the cloth and replacement parts necessary to repair a tent. When completely stocked with all 24 items, the kit measures 16 by 16 by 12 inches and weighs 30 1/2 pounds. Figure 6-1 shows the components of the kit. Table 6-1 describes each item and lists the national stock number used to order replacements. Fabric repair specialists are responsible for restocking the kit

6-2. CARE OF TOOLS

Fabric repair specialists are responsible for taking care of the tools in tentage repair kits. They check tools periodically, and perform maintenance as needed. Needles are kept dry and free of rust. Blunt needles are replaced. Saddle soap is used to keep sewing palms soft and flexible. The sewing palms must be kept dry so that the metal inset does not rust. Cutting punches are used only on wood or lead blocks to keep the edges from becoming dull. The hollow areas in cutting punches are cleaned out regularly so that they do not become packed with bits of cloth. Punch and die sets are kept clean. They are stored in a dry place or lightly coated with oil to prevent rust. Steel hammers are never used on cutting punches or punch and die sets because they strike too severe a blow. Their use could damage the tools and could cause metal pieces to chip off and hit someone in the eye. Rawhide mallets are checked for cracks in the handle and in the rawhide. They are never used to drive nails or anything else that could cut through the rawhide. Shears are kept clean and sharp. They are never used for any purpose other than to cut cloth and thread. The saddler's sewing awl is kept clean. Wire brushes are cleaned after use. The bristles are kept dry to prevent rust.



Figure 6-1. Components of the tentage repair kit

Table 6-1. Data on tentage repair kit

COMPONENT	DESCRIPTION	NUMBER PER KIT	NATIONAL STOCK NUMBER
Adhesive (1)	Canned solution of synthetic rubber which is waterproof, flexible, and very sticky Used to cement patches to canvas	8 tubes	8040-01-033-7507
Awl, saddler's sewing (2)	Pointed, hand-held tool which comes with two straight needles and one curved needle Used to make a lockstitch by hand	1 each	5120-00-257-5541
Brush, wire, scratch (3)	Tool with a hardwood handle and wire bristles Used to clean canvas and webbing	1 each	7920-00-291-5815
Case, tentage, repair kit (4)	Canvas carryall with webbed handles and straps which unfolds to reveal two compartments and a number of pockets Used to hold tools, cloth, and repair parts	1 each	8340-00-270-1334
Cloth, duck cotton (5)	Medium-weight canvas which weighs 9.85 ounces a square yard and is fire retardant, water-repellent, mildew resistant, and weatherproof Used to patch tents	8 yards	8305-00-926-6171
FM 10-16 (6)	Detailed instructions for repairing canvas and webbing Used as a guide by fabric repair specialists	1 each	
Grommet, metallic 0.320-inch, size 4 (7)	Two-part, brass eyelet with a 1/2-inch inside diameter Used to reinforce areas where holes are made to hold ropes, lines, spindles, and straps	1 gross	5325-00-231-6622

Table 6-1. Data on tentage repair kit (Continued)

COMPONENT	DESCRIPTION	NUMBER PER KIT	NATIONAL STOCK NUMBER
Grommet, metallic, 0.380-inch, size 5 (8)	Two-part, brass eyelet with a 5/8-inch inside diameter Used to reinforce areas where holes are made to hold ropes, lines, spindles, and straps	100 each	5325-00-202-2053
Lubricant, interlocking slide fastener (9)	Stick of wax Used to lubricate the teeth in a zipper	1 box	9150-00-999-7548
Mallet, rawhide (10)	Hammer with a wooden handle and a leather head Used to hit dies and punches	1 each	5120-00-222-2200
Needle, sailmaker's, size 14 (11)	Slender, pointed sewing instrument Used to hand sew on canvas	1 package	8315-00-163-1547
Palm, sewing (12)	Leather shield worn over the palm which has a metal inset that forces needle through canvas and webbing Used to protect the palm during sewing	1 each	5120-00-223-6838
Punch, cutting, size 5 (13)	Tool with a sharp, circular end 1/2 inch in diameter Used to cut grommet holes	1 each	5110-00-180-0923
Punch, cutting, size 6 (14)	Tool with a sharp, circular end 9/16 inch in diameter Used to cut grommet holes	1 each	5110-00-180-0924
Ring, connecting, round (15)	Small iron band or hoop with an inside diameter of 1/2 inch Used to reinforce edges of hand-sewn grommets	50 each	5365-00-264-1221
Ring, connecting, round (16)	Small iron band or hoop with an inside diameter of 3/4 inch Used to reinforce edges of hand-sewn grommets	25 each	5365-00-264-1222

Table 6-1. Data on tentage repair kit (Continued)

COMPONENT	DESCRIPTION	NUMBER PER KIT	NATIONAL STOCK NUMBER
Ring, connecting, round (17)	Small iron band or hoop with an inside diameter of 1 inch Used to reinforce edges of hand-sewn grommets	10 each	5365-00-264-1219
Set, punch and die, grommet, size 4 (18)	Forged steel clinching device Used to close the two halves of a size 4 grommet	1 each	5120-00-221-1150
Set, punch and die, grommet, size 5 (19)	Forged steel clinching device Used to close the two halves of a size 5 grommet	1 each	5120-00-221-1151
Shears, bent, trimmers (20)	10-inch, heavy-duty shears Used to cut canvas	1 each	5110-00-596-9703
Sling, carrying bag and case (21)	Standard, general-purpose strap made of medium-weight webbing which remains attached to the case to prevent loss Used as a shoulder strap on the tentage repair kit	1 each	8465-00-269-0682
Slip, tent line (22)	4-inch long, magnesium casing shaped like a barbell which has a 7/16-inch hole at one end through which tent lines are run Used to adjust the length of tent lines	10 each	8340-00-205-2759
Thread, polyester (23)	Type 1, class 1, subclass B, Federal Specification V-T-285A, synthetic filament Used to make sewing stitches	1 tube	8310-00-988-1301
Twine, fibrous (24)	Sturdy, spun-cotton string Used to sew grommets in place by hand	1 cone	4020-00-233-5980